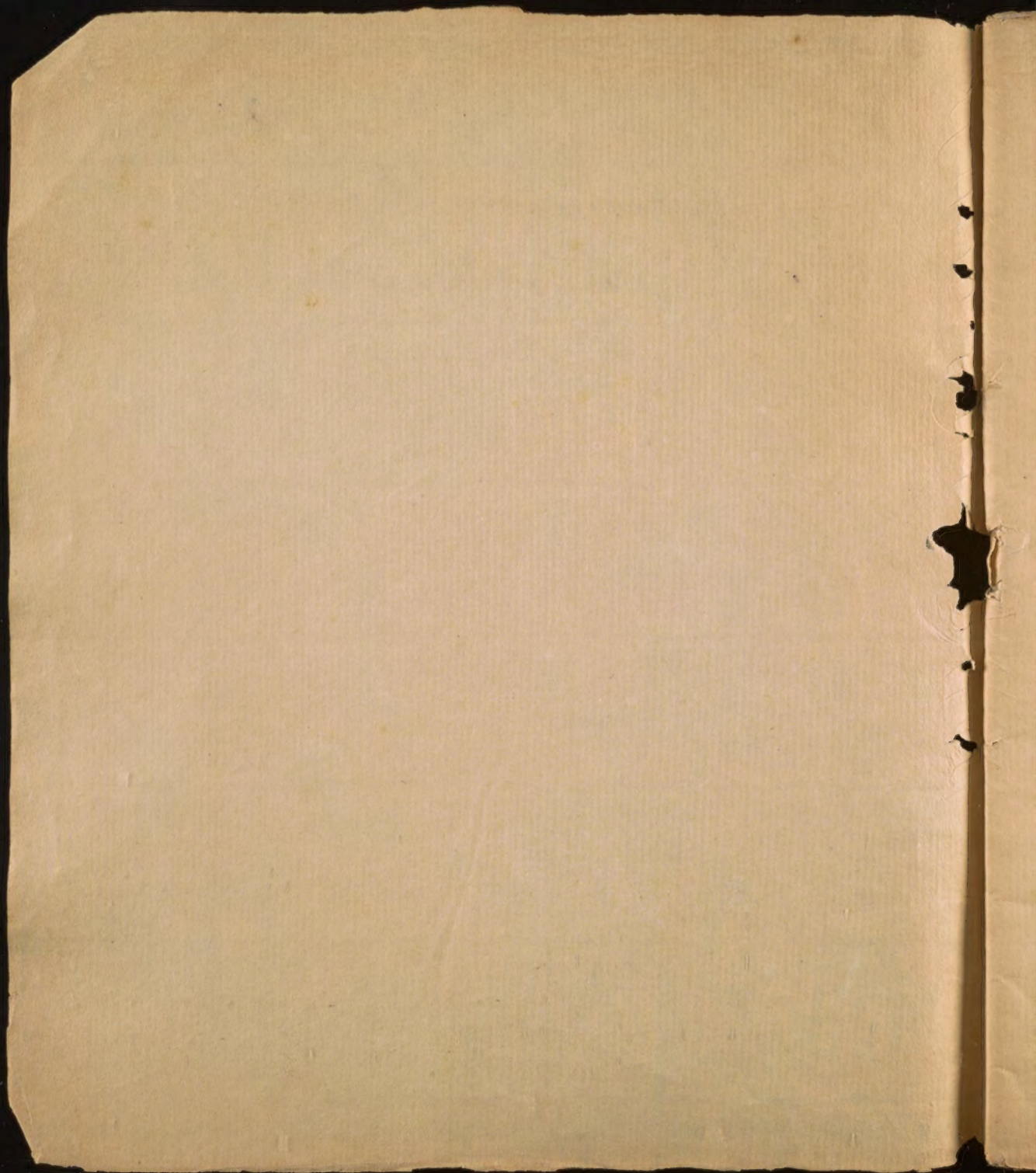
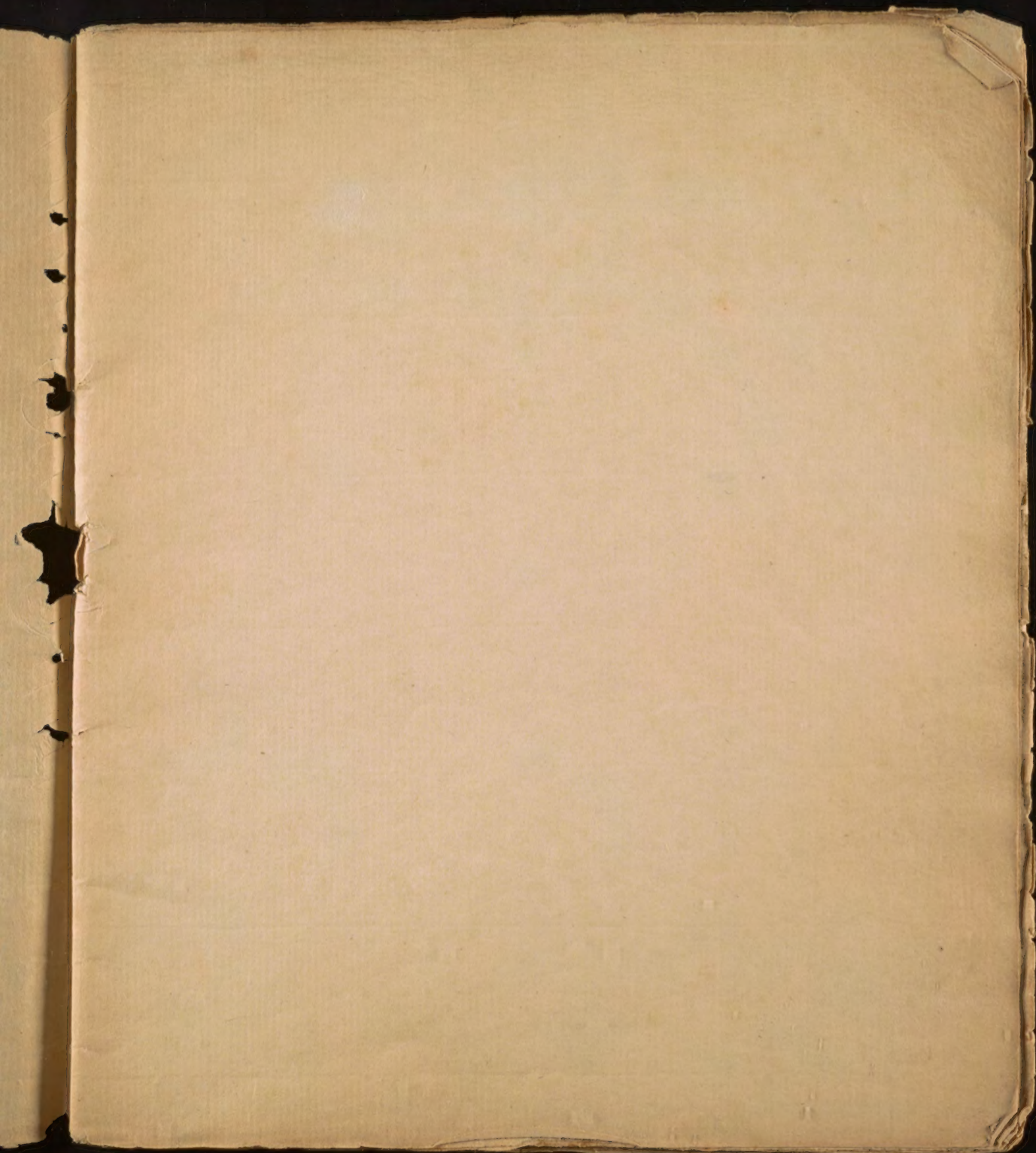


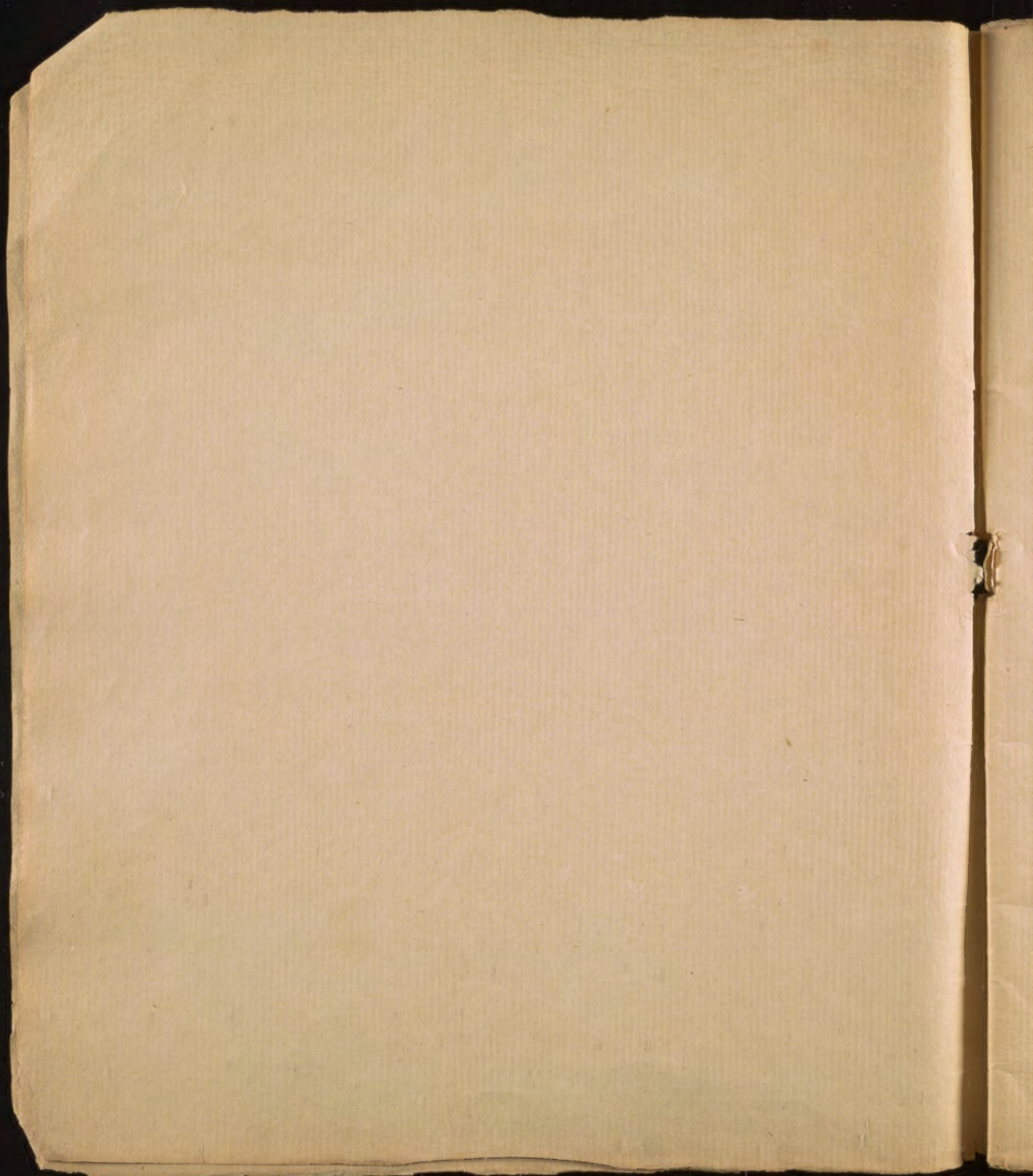
Yi 2
7400
F 12

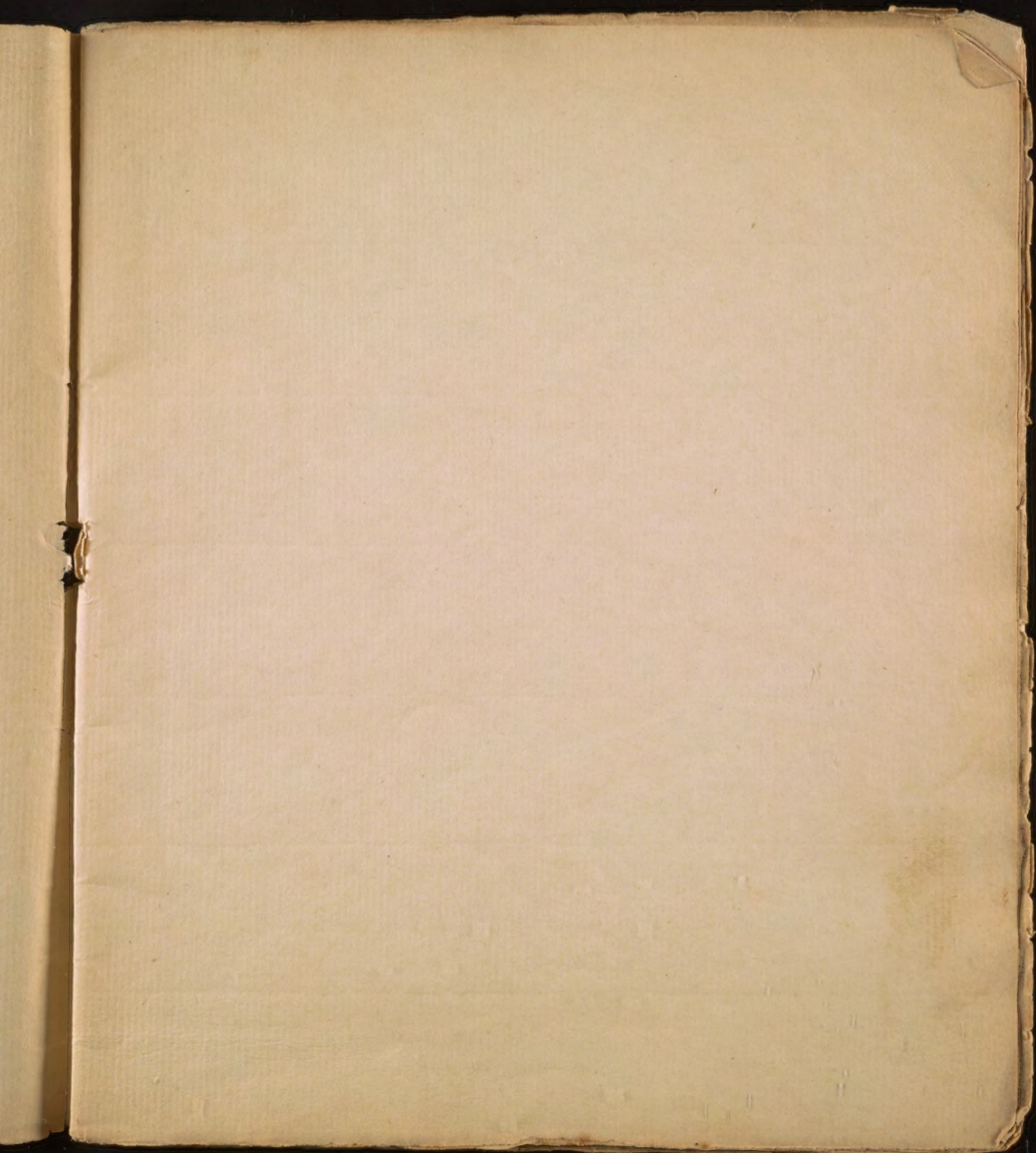
1868.

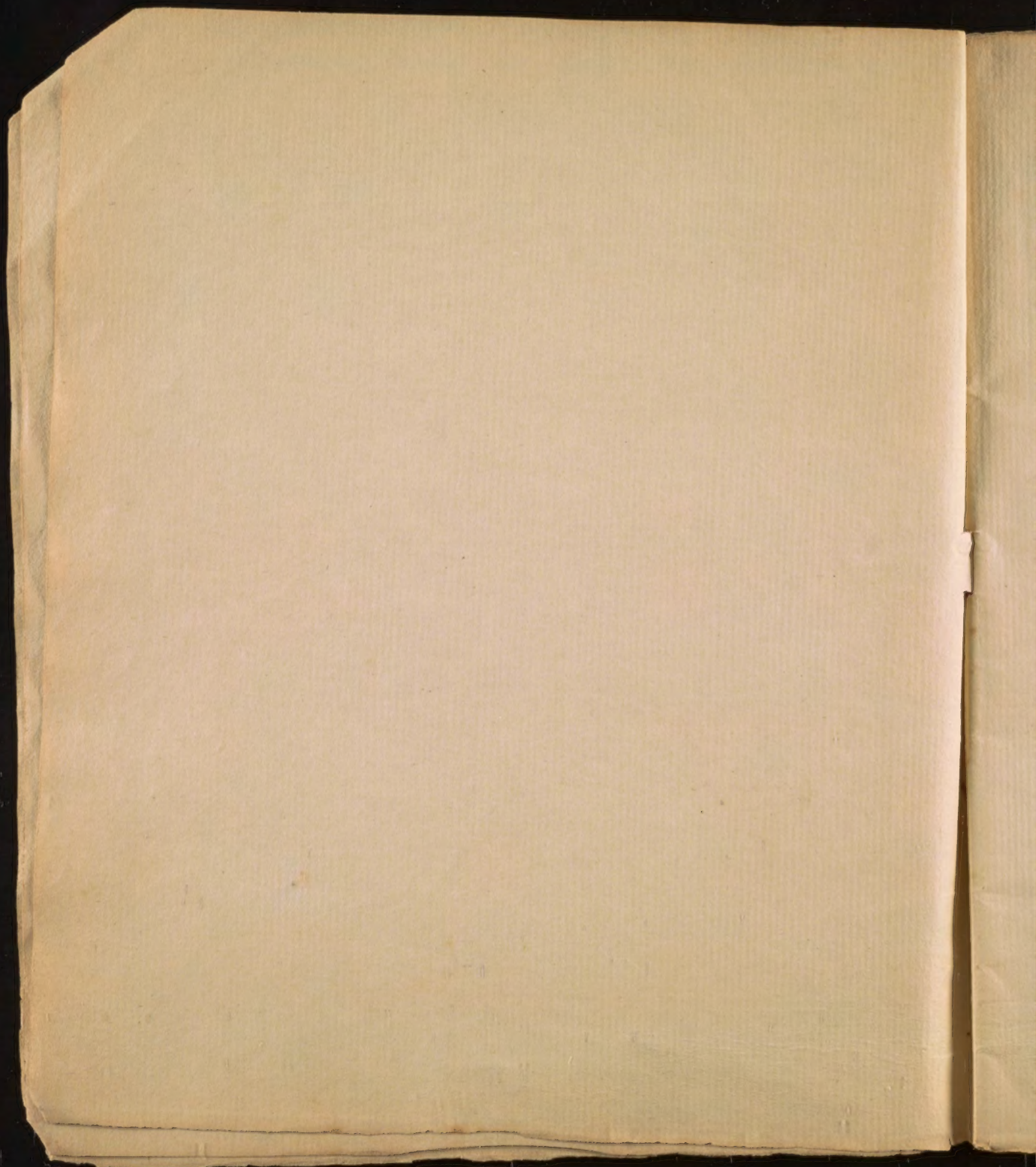
Introductory lecture on the
connection of theory with practice.

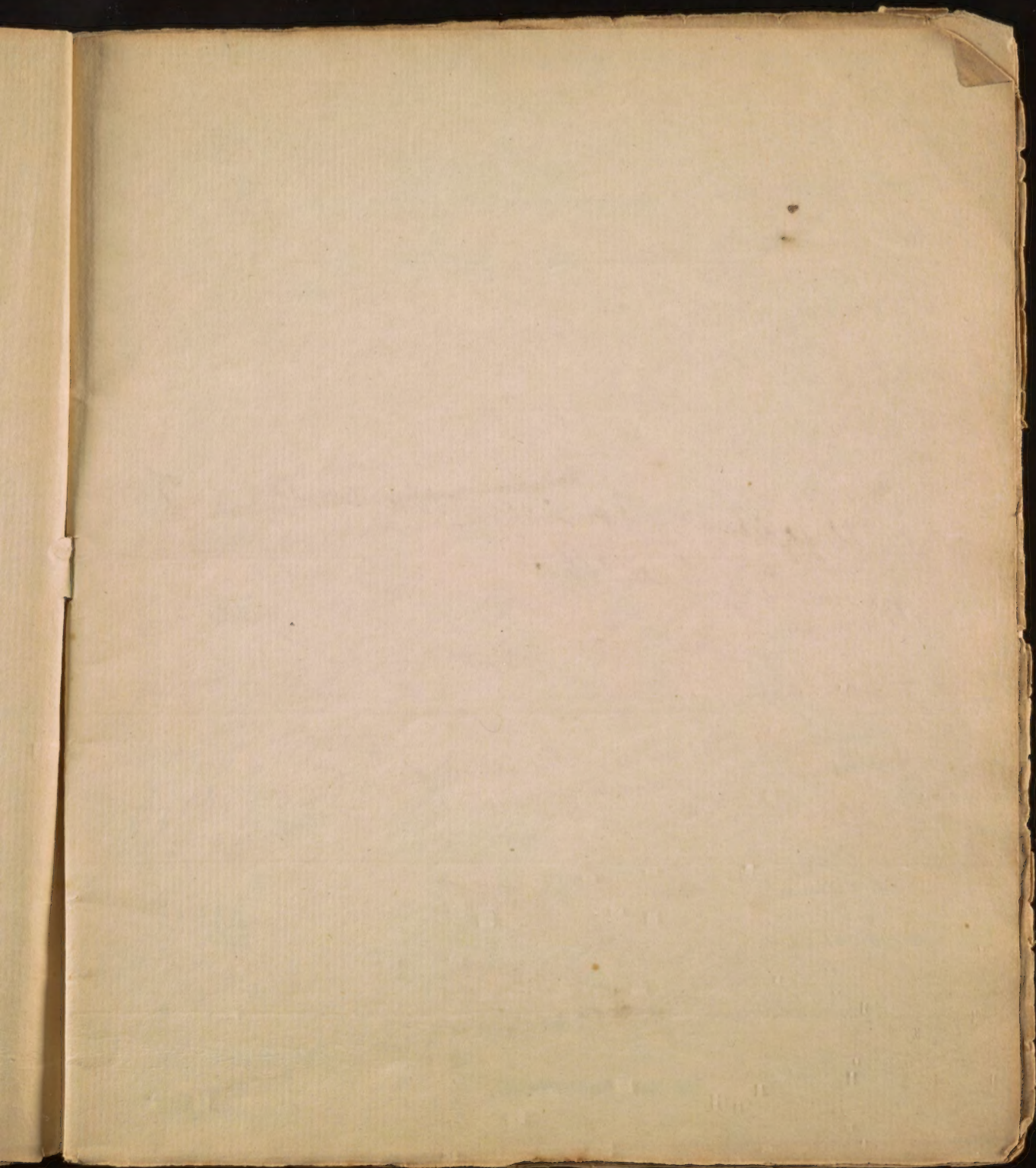












✓ Hygiene considers the means of
preserving health.

1 128

Nov^r 1803

Nov^r 1806

Gentlemen

~~I said in our introductory lecture,~~
my business in this University ~~is~~ ^{is} to teach
the Institutes of medicine & the practice
of physic.

The former include Physiology &
~~or the art of preserving health~~
Pathology & ~~the~~ what are called Therapeutics;
^{in general}

~~or the method of curing disease founded~~
upon a knowledge of this cause previ-
ously explained in the lectures upon
Pathology. The latter includes the history of the
signs, & of the course of particular diseases.

Physiology considers the functions
of the human body in ~~its~~ ^{this} healthy state.

Pathology considers the causes which
derange those functions, & thereby induce
diseases. Those causes ~~and~~ include all

V lectures upon each of these branches
of medicine, I shall twice a week deliver ^{from this Chair}
~~the~~ remarks upon such cases of Disease
as occur in the Penns. Hospital. The
^{Different} Subjects of these lectures are divided in
the Univ: of Wien² into three ~~the~~ Dis-
-tinct professorships. I have preferred
uniting them - 1 because they are con-
-nected inseparably, ~~Parts~~ and can be
taught & ~~instructed~~ ^{intelligible} only by being taught
under the direction of the same princi-
-ples & 2 because I wished to do as much

external & internal impressions which
^{in a modified degree}
 act upon the body, and the changes
 induced by them in the structure, & actions
 of the different functions.

Therapeutics ^{considers} ~~unfolds~~ the Remedies
 which cure diseases ~~as~~ as unfolded by
 pathology.

The practice of physic descends to
 the application of the principles explain-
 -ed in therapeutics, to the cure of
 particular diseases. — ^{giving} Besides ~~define~~.

For a full acc^t of all the subjects
 which are ~~to be~~ included in the above
 division of our course, ~~I refer you to~~ ^{that} ~~which will be~~
 is contained ~~in a volume of~~ ^{which will be} a syllabus published by
 Whately ~~with a volume of~~ ^{with a volume of} bound up with six
 introductory lectures delivered by me in

As propable to lessen the expence of
a medical education in our University.

詩

more intelligible to you. — ^{these lectures} those
The design of the ^{in the first of these} is to show
introductory lectures
the connection between theory & practice
in medicine. After the ^{studies and} ~~experience of~~
~~nearly 15 years in teaching this science,~~
and after practice of ^{above 50} ~~nearly 40~~ years,
I ~~can~~ have confirmed all that I have
said in ~~favor~~ that lecture ~~was~~ in favor of
the ^{Union} ~~necessity~~ of Observation & reasoning in
medicine in order to constitute a physician
or to improve our Science. I know gentl^{ly} ~~and~~ ^{may}

V The Science of medicine cannot stand
upon any one, nor yet upon any
two of them. But

it is fashionable to ⁴deny theory in medicine,
and to extol facts, or what is commonly called
experience at its expense. But facts and
experience are ~~often~~ ^{as} rules & frequently
delusive without theory; as theory is without
facts. medicine may justly be compared
to a tripod, ^{on a level floor.} ~~the~~ the three ^{feet} supports of
this tripod - are Observation - Experiment,
and reasoning, or theory. ~~in order to stand~~
~~alone they are unable to support the~~
~~united,~~
they mutually support each other. It is
true, ^{the progress of} our ~~science~~ ^{science} has been retarded by
so many erroneous systems of medicine;
but it is equally true it has been more
retarded and injured by erroneous Observations,
and fallacious experiments; & hence Dr.
Cullen used often to tell his pupils



5 (if the expression be allowed)

there were ten false facts to one false
theory in medicine. The ^{ch} advantages ^w
~~have resulted from a combination~~ Facts are
the touchstones of theories, as theories are ^{of} facts.
I cannot better illustrate the truth of this
remark than by mentioning the Advantages
which our Science has derived from the
labors of two men whose names are im-
mortal in the history of medicine. I mean
Dr Sydenham, & Mr John Hunter. The
former overthrew the theories of Ages by his
~~the facts he brought to light~~ by his faithful
& accurate ^{observations} ~~histories of diseases~~, while the
latter overthrew ^{thousands of} ~~the~~ supposed facts ~~of~~ ^{by}
~~by~~ his theories, or in his other words by
his discoveries of the laws of the animal
economy, and the operation of medicines

✓ That the late ^{Infidels} ~~Philosophers~~ have done
who have attempted to divide morals
from Religion. Theory & practice

Permit me to add

in the Cure of diseases. ~~But again~~ further,
 that those even who attempt to divide theory
 & practice, aim at ^{the same} impossibility. ~~They~~
 are inseparably connected by an immutable
 & eternal law in the human mind. ~~To~~
 think is to theorise" ~~It~~ says Dr Darwin,
 and where is the physician or the man
 whose, or even suspend
 that can ~~theorise~~ the involuntary operation
 of his mental faculties in thinking? There
 never was a physician who did not secretly
 theorise, or who ever prescribed a medicine
 without a secret indication of Cure founded
 upon a theory of some kind. The clamors which
 have been excited against ^{theories are confined} ~~theory~~ - ~~against~~
 are ~~confined~~ directed wholly against such theories
 as are new, ~~for~~ This was remarkably the
 case in Edin² ~~in 1840~~ when Dr Cullen first



~~might~~ discovered, & placed the proximate
 cause of diseases in the solids instead of the
 fluids. ^{This his Brethren} ~~his Brethren~~ professors who were
 devoted to ^{the} ~~the~~ acid - alkaline & muriatic
 humors of Dr Boerhaave, complained of his
 theorizing, and for a while treated his opinions
 as the effusions of a wild & distempered ^{imagination} ~~brain~~.
 - The Doctor was not insensible of the incon-
 - sistency of these charges against him, & de-
 - availing himself of the simplicity of his prin-
 - ciples, publicly declared that there was
 more theory in one page of Vanswieten's
 commentaries upon Dr Boerhaave's aphorisms,
 than there was in a dozen of his lectures.
 As a proof that the ^{unpopular} ~~extraneous~~ & odious
 nature of theory consists only in its novelty,
 it will ~~be~~ not be improper to add that the
 same physicians who were ^{devoted} ~~disappointed~~ ^{at} ~~all~~.

8
V In thus adopting Dr Cullen's theories, after
treating them with contempt & ridicule, they
resembled The Priest who ^{saw} ~~met~~ on his way
to a costly feast a collection of choicest
and being unwilling to spoil his appetite
by eating fruit, — upon them. ~~to~~
the madder.

V I am aware that the detection and
rejection of Dr Cullen theories

50 years ago to Dr Boerhaave's theories of the
 morbid Acrimonies, ^{now} are equally stationary
 in Dr Cullen's ^{opinions} theories of ^{as they were called} Spasms & prurification,
 and of the efficacy of ~~the heating powers of~~ ^{the heating powers of} ~~sedative medicines~~ of
 nature, and of the sedative action of certain
 medicines in the Cure of Diseases. ✓

In one of Moliere's plays entitled the
 "Citizen turned gentleman". An ~~illustration~~ ^{the}
 citizen ^{applies to a} ~~is~~ ^{professor} of Rhetoric to
 be taught the principles of language. The
 professor began by dividing all writings
 into ^{two kinds, viz} verse & prose, and illustrated each of
 them by quotations, - the one from the
 poets - the other, from the language of common
 conversation. The citizen no sooner heard the latter,
 than he discovered ^{that} he was in possession of
 the knowledge ^{of it}, & exulted in the reflection that
 he had been in the habit of speaking &
 writing prose without knowing it in every



part of his life. The same thing may be
said of those physicians who are the enemies
of theory. They are in the habit of exercising
it without knowing it, in every act of
their minds, when they prescribe for the
cure of diseases. —

~~It is no objection to theory that we cannot explain the causes of all diseases, and of course that as yet we have a perfect system of medicine. The same thing may be said of all other sciences, and yet the science of navigation is still imperfect, and yet we do not upon that account reject all the advantages we derive from the magnet, the quadrant, & from Lunar observations.~~

It has been remarked that ~~had~~ more
as far as it ~~which~~ relates to the cure of diseases
discoveries have been made in medicine within
the last 40 years, than had been made for

0

practitioner of medicine
and the ~~practitioner~~ who ^{relies} ~~practices~~ upon
them exclusively, without combining them
~~into~~ with theory ~~and~~ in the treatment of diseases,
is more a pile than a collection of
bricks in a brickyard, - is a house, ~~the~~
The man who practices medicine, without ~~no~~
other resources than ^{volumes of unconnected} ~~a mass of~~ facts in his ~~brain~~
memory, is no more a physician, than the
day labourer who carries the load, is a master
builder. ~~medicine~~

centuries before. The reason of this is ~~they~~
~~was added to there~~ has been more theory intro-
 -duced into our science within that period
 than formerly, and ~~that too~~ by means
 of which ^{throughout} ~~long~~ facts have been brought
 to light and such as were ^{detected} ~~admitted to be~~
 erroneous, have been ^{from the practice of physic.} ~~rejected from medicine~~.

~~There is no more a~~ ^{Medicine} ~~Medicine~~

The ~~practice of physic~~ ^{Medicine} when founded
^{only upon} ~~only upon~~ facts, is no ^{Medicine} ~~fact~~, & ~~the~~ ^{it} becomes
 a science only when ~~it is~~ facts are combined
 with theory, & that man ~~who~~ only is a
 physician who prescribes under the influ-
 -ence of facts & theory ~~them~~ both. A system
 of religion of some kind has always been
 found necessary to promote good morals, so
 a system of some kind has always been
 found equally necessary to promote regular

✓ In like manner gent. I have resolved
to follow reason, or to theorise in medicine
as long as it shall please God to continue
~~to the last moments of my life~~

to me the exercise of the reasoning
faculties of my mind. I am the more
encouraged to adhere to this resolution

for by ~~say~~ the Advantages I have derived
from reasoning in medicine, for if I have
at any time heard the mortality of a
single disease, I declare that publicly,

& successful practice in medicine.

After these preliminary remarks I had-
 dly inform you gent. that duty &
 inclination alike concur, to determine
 me to teach the theory as well the prac-
 tice of medicine from this chair. ~~But~~
 also I once attended the only son of a
 foreign gentleman in this city in a Dropsy
 of the Brain. I advised the loss of a few ounces
 of blood in his case. The remedy ^{at first} startled,
 & distressed the father of the Child, but after
 a few moments reflection he clasped
 his hands together, & cried out ^{in a pathetic tone of voice} "I surrais
 the French language. —
 la Raison — jusque la Dernière moment
 de la Vie". "I will follow the dictates of
 reason to the last moment of my life."
 — I ~~was disposed to~~ ^{have long ago} adopted the same ~~idea~~ ^{resolution}
 — ~~ration in~~



~~the science of medicine, nor have I had~~
~~reason to regret it, for if it has pleased~~
~~God in a single instance to have made me~~
~~the instrument of lifting the mortality~~
~~of any one disease, I ~~was~~ declare thus pub-~~
~~licly in honor of the reasoning in medicine~~
~~I was led to the discovery of the ^{means of curing it} ~~remedies which~~~~
~~doing so ~~it~~~~
~~effected, not by accident, - not by precedents~~
~~derived from books, ^{not by ~~my~~ ~~former~~} ~~as ~~former~~ former expe-~~~~
~~rience, but ^{by} ~~my~~ ^{a new ~~theory~~} ~~reasoning~~ in medicine.~~

~~It ~~has~~ my lot in my ~~to~~ science has~~
~~been a difficult & laborious one. I ~~have~~ ~~studied~~~~
~~medicine three times - that is - I have - I was~~
~~educated a Boerhaavian, in Edin^g I became a~~
~~disciple of D. Haller. soon after I began to~~
~~practise physic, I found ~~Dr~~ ~~Hall~~ the system~~
~~of my illustrious master did not accord~~

These circumstances are the most consoling, as
~~that the~~ ^{my} ~~new~~ ^{principles} are not only
opposed to a ~~great deal~~ great strength of prejudice, but
~~the~~ ^{any} ~~new~~ ^{new} modes of practice - to the feelings ^{of sick people.}

✓ They not been ^{one} ~~been~~ ^{many} ~~years~~ ^{others}
I ~~not~~ ^{found} ~~them~~ ^{to} a more more
✓ I ~~have~~ ^{one} ~~more~~ ^{reasons} for believing
Successful practice in common dis-
eases, & to the cure of some diseases
once deemed incurable, by them. ^{But} I have
^{two} ~~other~~ ^{more} ~~reasons~~ for believing them to
be true, ^{that} ~~that~~ ^{is} ~~they~~ ^{have} generally
^{been in the habit} ~~adopted~~ I have ^{received} for many years past
of receiving ^{graduates} letters from the former students of our Univer-
sity from all the different ^{in the Union,} ~~states~~ in which they
have ~~been~~ informed that they ~~had~~ found
the new modes of practice I had taught them, as
successful in their hands, as they had been in my
own. ^{by} I have Those modes of practice have
been adopted ~~and~~ with ~~marked~~ success by those

with the phenomena of diseases. Actuated by
 an ardent desire to ~~be~~ save the lives of my
 patients, more than any ~~other~~ thing else, I
 soon ventured to depart from the principles
 of my master, & read, & ~~observed~~ thought for myself.
~~Since~~ ^{painful} the result of my inquiries is well known
 to you all. For a while I ~~thought~~ ^{was} that
 with doubt of ~~this~~ ^{the} truth, & spoke of them
 with diffidence. I ~~now~~ should have presumed
 to ~~have~~ at this day have presumed to have
 acknowledged my ^{belief & confidence} ~~confidence~~ in them had
~~they not been the~~ ^{the result of practice to} ~~change the~~ ^{which}
 they first became, ~~been~~ adopted by those
 gentlemen who for many years pub-
 licly & privately opposed them. #

Be not alarmed Gent. at my determi-
 nation to ~~teach~~ ^{blend} the theory of medicine as far
 as I am able, with my lectures upon the

V in number that you will readily re-
tain them. Such of you as have brought
to this University ^{Dr Brown or}
~~with you~~ the theories of Dr Cullen, ~~or Dr Brown,~~
will be great losers by exchanging them for
mine, for I will ^{give} ~~give~~ you but one where
~~Dr Brown has given you two, & where Dr Cullen has~~
~~they~~ ^{have} ~~given you twenty, & of course neither~~
gent. let your fears be excited, lest I should
not mingle facts with my theories; so far
from it, I will venture to promise you that
I shall deliver at least 1000 facts to one
theory. Indeed my whole course of lectures will
consist chiefly of facts. After this
introduction, I ^{take notice} ~~proceed to state~~ that ^{p. 1 of 1}
I am not insensible gent. of
the clamors, & ~~handers~~ ^{followers} that have ~~been~~
~~my old attempts~~ the principles, & mode of

practice of physic. ~~may~~ all the theories I shall
deliver to you will be simple, & easy of apprehen-
sion. ~~so much so that the young~~ They will
~~be~~ moreover be ^{so few in} numerous, ~~but~~ shall
they exclude a large collection of facts. Indeed
I will venture to promise you that I will
deliver ~~coax~~ facts in the course of these lectures
to one theory, ~~nor shall~~ ^{will} I deliver a single theory
which shall not be supported by facts.

I have ~~but few~~ ^{no} new Remedies to offer to you
for the cure of diseases. ~~my principles had to~~ ^{the changed nature}
~~my principles~~ ^{will lead to a}
~~affairs made~~ ^{shall recommend to you in}
~~your practice~~ ^{founded more} ^{proper} a few
Remedies at ~~different~~ ⁱⁿ than in the use of
any new ones.

I have ~~carefully avoided~~ ^{not} laying any
claim to having taught this depending theory
in medicine, & promising to teach it, I beg

Practices I have taught in this University.
- But I am not, & shall not be discouraged
by them. ^{as long as} ~~believe~~ ^{but} I am able to totter
up these stairs, & to ascend this desk I shall
continue to teach them - because I believe
them to be true, & know them to be useful.
- My lot is in the ~~profession~~ ^{profession} of medicine ~~that~~
~~a student is not~~ I have ~~never~~ yet replied to
a single ~~for~~ attack upon me. I have
hitherto treated the public & the more
insidious private attacks that have been
made ^{my principles & practice} ~~upon~~ with silence, & ~~to~~ what is
more with forgiveness, - and I shall continue
to do so as long as I live.

Gentlemen, you would ~~not suppose that I~~
~~lay the least claim to~~ ^{being the author}
of a new system of medicine. At little have
I aspired to a mitre or a crown as to that
honour in our science. ~~A~~ System of medicine
provides a theory for every disease, & ~~from~~
~~every~~ an explanation of every phenomenon
in the Animal Economy. My principles
had only to ^{an explanation} ~~the theory~~ of a ~~small~~ part
of the diseases of the human body, and a
~~relation of~~ but a few of the laws ^{which} ~~of the~~
govern it. But while I thus limit ^{the} ~~my~~
extent of ~~my~~ ~~principles~~, I do not
hesitate to declare that I believe all the laws
of the Animal Economy, & all the causes of
diseases admit of explanation, and that
~~sooner or later~~ ^{sooner or later} a system will arise from the

V ~~the possibility of~~
~~the practicability of~~ our arriving at ^{the}
perfection & certainty of medicine is ~~one~~
~~if the direct means to attaining~~
^{only}
to them. After this general & preliminary remarks, I
I proceed now to make a few remarks
upon the method of ~~finding~~ acquiring a
knowledge of the ~~practice~~ of physic.
I proceed to take notice,

Successive labors & contributions of different
men, & ~~perhaps of~~ successive generations, ~~from~~
there will be formed a complete system of
medicine. ~~Not to believe this is to deny God,~~
~~help to the Supreme Being, for~~ ^{then} Let the consideration
^{of} the present imperfect & unfinished state of
the fabric of medicine animate you, in your
~~studies~~ to add your labors to those of your pre-
decessors in order to complete it. The United
States have ^{already added several stones} ~~the~~ since
to this building. ~~a new & strong impulse to~~
~~give even of~~ Let it not become weakened
your hands. Who knows but what Heaven
has destined ~~the~~ ^{into the} capstone ^{of it} of the building
to be placed upon it by some American
physician, - and perhaps by some of
the gentlemen ^{to} ~~who are now~~ ^{I have now the}
^{honor of} ~~present~~ ^{always recollect that} addressing. ² ~~The~~ a belief

